

**State of California**  
Department of Food and Agriculture  
Division of Measurement Standards

Certificate Number: 5386-04

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***California Type Evaluation Program***  
***Certificate of Approval***  
***for Weighing and Measuring Devices***

**For:**

Scale System Controller  
Digital Electronic  
Model: WEM4000 Pro Series  
Version 7.00

**Submitted by:**

WEM Automation  
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**Standard Features and Options**

Primary weight indications and motion detection are provided by compatible and certified indicators

The Model WEM4000 Pro Series can consist of up to three different controllers; batch controller: silo load-out controller and vehicle scale controller. All three controllers can operate together or individually, depending on optional peripheral devices.

Weight ticket printing system

Silo load-out capability

Multiple scale interface

Weight conversion from pounds to tons

Vehicle, customer and product ID

Weigh-in/weigh-out capability

Manual weight entry

Minimum system requirements: Computer display  
Alphanumeric keyboard  
Printer  
Digital indicator(s) with serial communications capability

Version: 7.00 or higher

Operating system: Windows 2000 or later version

Application software: Visual Basic

Hardware: Pentium III or greater, 128MB RAM, 250MB Hard Drive

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: May 25, 2004



Mike Cleary, Director

**WEM Automation  
Scale System Controller  
Model: WEM4000 Pro Series**

**Application:** For use as a bulk weighing controller, silo load-out controller, and vehicle scale controller when connected to appropriate and approved weighing elements and indicators. This system controller can be used in asphalt plants.

**Identification:** The required identification and marking information is displayed when the system is started. Each controller is continuously identified in the title bar.

**Sealing:** There are no metrological features on this device that require the use of a security seal. The indicating elements interfaced with the system are required to have a security means.

**Operation:** The system will have a dedicated indicator for each weighing element that would include batch hoppers, silo hoppers and vehicle scales. The gross weight will be continuously displayed for each indicator. Each controller has a dedicated screen and operate individually. The system can include a separate enclosure that would encase: digital indicators, process flow indications, emergency shut-off switch, lock-out key, and a PLC.

**Test Conditions:** The emphasis of this evaluation was on the performance of the scale system controller, its interaction with several digital indicators, weighing elements, and verifying printed weight ticket information. The evaluation was conducted by simulating a batch controller within a laboratory environment and conducting two field evaluations. The scale system controller was connected to an enclosure that consisted of three Mettler-Toledo, Model Panther digital indicators (Certificate of Conformance Number 96-125A3), three load cell simulators, and Allen Bradley 5/05 programmable logic controller (PLC).

Results of the evaluation indicate the devices comply with applicable requirements.

**Type Evaluation Criteria Used:** Title 4, California Code of Regulations, 2004 Edition

**Tested By:** Dan Parks (CA)